National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : FORCE MOTORS LTD, ENGINE DYNO & CHASSIS DYNO TEST LABORATORY, MUMBAI - PUNE ROAD, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8790 **Page No** 1 of 2

Validity 26/12/2021 to 25/12/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Complete vehicle equipped with compression ignition engine	Free Acceleration Smoke	MoRTH/CMVR/TAP-115/116 (Issue 4), AIS 137 (Part 3)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Complete Vehicle on Chassis Dynamometer (Compression Ignition Engine Powered Vehicle not exceeding GVW 3.5 Ton)	Type-I Test (Exhaust emission after cold start) Carbon Dioxide (CO2)	MoRTH/CMVR/TAP-115/116 (Issue 4), AIS 137 (Part 3)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Complete Vehicle on Chassis Dynamometer (Compression Ignition Engine Powered Vehicle not exceeding GVW 3.5 Ton)	Type-I Test (Exhaust emission after cold start) Particle Number (PN)	MoRTH/CMVR/TAP-115/116 (Issue 4), AIS 137 (Part 3)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Complete Vehicle on Chassis Dynamometer (Compression Ignition Engine Powered Vehicle not exceeding GVW 3.5 Ton)	Type-I Test (Exhaust emission after cold start) Particulate Mass (PM)	MoRTH/CMVR/TAP-115/116 (Issue 4), AIS 137 (Part 3)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Complete Vehicle on Chassis Dynamometer (Compression Ignition Engine Powered Vehicle not exceeding GVW 3.5 Ton)	Type-I Test (Exhaust emission after cold start) Total Hydrocarbon (THC)	MoRTH/CMVR/TAP-115/116 (Issue 4), AIS 137 (Part 3)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Complete Vehicle on Chassis Dynamometer (Compression Ignition Engine Powered Vehicle not exceeding GVW 3.5 Ton)	Type-I Test (Exhaust emission after cold start) Carbon Monoxide (CO)	MoRTH/CMVR/TAP-115/116 (Issue 4), AIS 137 (Part 3)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Complete Vehicle on Chassis Dynamometer (Compression Ignition Engine Powered Vehicle not exceeding GVW 3.5 Ton)	Type-I Test (Exhaust emission after cold start) Nitrogen Oxides (NOx)	MoRTH/CMVR/TAP-115/116 (Issue 4), AIS 137 (Part 3)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Compression & CNG Ignition Engine of Vehicle not exceeding GVW 3.5 Ton	Engine Net Power Test	AIS 137 (Part 5)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Compression Ignition & CNG Engine of Vehicle not exceeding GVW 3.5 Ton	Torque	AIS 137 (Part 5)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Compression Ignition Engine of Vehicle exceeding GVW 3.5 Ton	-(WHSC) World Harmonized Steady State Cycle -(WHTC) World Harmonized Transient Cycle Emission Requirement Ammonia (NH3)	MoRTH/CMVR/TAP-115/116 (Issue 4), AIS 137 (Part 4)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Compression Ignition Engine of Vehicle exceeding GVW 3.5 Ton	-(WHSC) World Harmonized Steady State Cycle -(WHTC) World Harmonized Transient Cycle -(WNTE) World Harmonized Not to Exceed Emission Requirement Carbon Monoxide (CO)	MoRTH/CMVR/TAP-115/116 (Issue 4), AIS 137 (Part 4)

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12	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Compression Ignition Engine of Vehicle exceeding GVW 3.5 Ton	-(WHSC) World Harmonized Steady State Cycle -(WHTC) World Harmonized Transient Cycle -(WNTE) World Harmonized Not to Exceed Emission Requirement Nitrogen Oxides (NOx)	MoRTH/CMVR/TAP-115/116 (Issue 4), AIS 137 (Part 4)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Compression Ignition Engine of Vehicle exceeding GVW 3.5 Ton	-(WHSC) World Harmonized Steady State Cycle -(WHTC) World Harmonized Transient Cycle -(WNTE) World Harmonized Not to Exceed Emission Requirement Particulate Mass (PM)	MoRTH/CMVR/TAP-115/116 (Issue 4), AIS 137 (Part 4)
14	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Compression Ignition Engine of Vehicle exceeding GVW 3.5 Ton	-(WHSC) World Harmonized Steady State Cycle -(WHTC) World Harmonized Transient Cycle -(WNTE) World Harmonized Not to Exceed Emission Requirement Total Hydrocarbon (THC)	MoRTH/CMVR/TAP-115/116 (Issue 4), AIS 137 (Part 4)
15	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Compression Ignition Engine of Vehicle exceeding GVW 3.5 Ton	-(WHSC) World Harmonized Steady State Cycle -(WHTC) World Harmonized Transient Cycle Emission Requirement Particle Number (PN)	MoRTH/CMVR/TAP-115/116 (Issue 4), AIS 137 (Part 4)
16	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Compression Ignition Engine of Vehicle exceeding GVW 3.5 Ton	Engine Net Power Test	AIS 137 (Part 5)
17	CHEMICAL- ATMOSPHERIC POLLUTION	Internal Combustion Compression Ignition Engine of Vehicle exceeding GVW 3.5 Ton	Torque	AIS 137 (Part 5)